TRAIL (C92B9) Rabbit mAb





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Applications: W, W-S, IP, IHC-P, IF-IC, FC-FP, FC-L	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 28-30	Source/Isotype: Rabbit IgG	UniProt ID: #P50591	Entrez-Gene Id: 8743	
Product Usage Information		Application Western Blotting Simple Western [™] Immunoprecipitation Immunohistochemistr Immunofluorescence (Flow Cytometry (Fixed, Flow Cytometry (Live)	(Immunocytochem	istry)		Dilution 1:1000 1:10 - 1:50 1:50 1:800 1:400 1:50 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody. For a carrier free (BSA and azide free) version of this product see product #48318.					
Specificity/Sensitivity		TRAIL (C92B9) Rabbit mAb detects endogenous levels of total human TRAIL protein.					
Source / Purific	-	Monoclonal antibody i	s produced by imm	nunizing animals with a s AIL, within the extracellu	ynthetic peptide	corresponding to	
Background		first identified based o family of cytokines and apoptosis in a variety o surveillance (3). TRAIL (5-8) which can trigger leads to the recruitmen subsequent caspase-3 (6,8,10,11) and DcR2 (T antagonizing TRAIL-ino capable of inhibiting T	n its sequence hon d either exists as a of transformed cell signals via binding apoptosis as well at of a death-induc activation. In addit RAIL-R4, TRUNDD) duced apoptosis. O RAIL-induced apop ned cells as compar	tosis-inducing ligand (TF nology to TNF and Fas/A type II membrane or sol lines and plays a role in with death receptors DF as NF-κB activation (7,9). ed signaling complex (D tion, TRAIL binds with de (12,13) which lack the fu steoprotegerin (OPG) ha tosis (14). The selectivity red to normal cells has le	po ligand is a me uble protein (1,2) anti-tumor and a (4 (TRAIL-R1) (4) a Death domains of ISC) leading to ca coy receptors Dc unctional cytoplas as also been ident of soluble TRAIL	mber of the TNF TRAIL induces nti-viral immune nd DR5 (TRAIL-R2) on these receptors spase-8 and R1 (TRAIL-R3) smic death domain ified as receptor at triggering	
Background Re	ferences	 Wiley, S.R. et al. (199 Pitti, R.M. et al. (1997) Almasan, A. and Ash Pan, G. et al. (1997) Walczak, H. et al. (1997) Walczak, H. et al. (1997) Walczak, H. et al. (1997) MacFarlane, M. et al Chaudhary, P.M. et al Schneider, P. et al. (1 Shetty, S. et al. (2002) Sheridan, J.P. et al. Sheridan, J.P. et al. Degli-Esposti, M.A. Pan, G. et al. (1998) Marsters, S.A. et al. Kelley, S.K. et al. (2015) Walczak, H. et al. (1 	6) J Biol Chem 271, kkenazi, A. Cytokine Science 276, 111-3. 197) EMBO J 16, 538 (1997) J Biol Chen al. (1997) Immunity 997) FEBS Lett 416 (1997) Science 277, et al. (1997) J Exp I FEBS Lett 424, 41- (1997) Curr Biol 7, 001) J Pharmacol Ex 999) Nat Med 5, 15	12687-90. e Growth Factor Rev 14, 3 66-97. 7 7, 821-30. , 329-34. -20. 818-21. Med 186, 1165-70. 5. 1003-6. kp Ther 299, 31-8. 57-63.	337-48.		

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key	W: Western Blotting W-S: Simple Western [™] IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) FC-L: Flow Cytometry (Live)				
Cross-Reactivity Key	H: Human				
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